

ABSTRACT

An object of the invention is to provide a break detection method capable of lessening a delay of motor power line break detection.

According to the invention, in a motor power line break detection method of an AC servo driver including a current detector and a torque controller, a torque current component 9 is extracted from a three-phase AC detected by current detector 4, 5, a comparison is made between a torque command 1 and the torque current component 9, and if the difference between the torque command and the torque current component exceeds a setup value 21, it is recognized that a motor power line is broken.